

Chicago Extruded Metals BioBrass® UNS C64700 Copper-Silicon Alloy

Category : Metal , Nonferrous Metal , Copper Alloy

Material Notes:

Finished product available as bar, wire, or rod. Chicago Extruded Metal temper codes: H02, M30 This alloy is registered with the U.S. EPA as Antimicrobial. Information provided by Chicago Extruded Metals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chicago-Extruded-Metals-BioBrass-UNS-C64700-Copper-Silicon-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.91 g/cc	0.322 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength	552 - 621 MPa	80000 - 90000 psi	
Tensile Strength, Yield	483 - 517 MPa	70000 - 75000 psi	
Elongation at Break	8.0 %	8.0 %	

Component Elements Properties	Metric	English	Comments
Copper, Cu	95.81 - 96.81 %	95.81 - 96.81 %	as balance
Iron, Fe	0.10 %	0.10 %	
Lead, Pb	0.090 %	0.090 %	
Nickel, Ni	1.6 - 2.2 %	1.6 - 2.2 %	
Other, total	0.50 %	0.50 %	
Silicon, Si	0.40 - 0.80 %	0.40 - 0.80 %	
Zinc, Zn	0.50 %	0.50 %	

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